

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 81-34

WASTE DISCHARGE REQUIREMENTS FOR:

WINE COUNTRY INN,
FREEMARK ABBEY WINERY,
AND MARKHAM WINERY,
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Wine Country Inn, Freemark Abbey Winery, and Markham Winery (hereinafter dischargers) submitted technical reports on the proposed waste treatment and disposal facilities on July 8, 1980, August 19, 1980, November 5, 1981 and February 10, 1981. A Report of Waste Discharge was submitted on April 23, 1981.
2. The dischargers propose to construct an underground sewer system to transport their wastes to evaporation ponds proposed for renovation at the Markham Winery site.
3. The Wine Country Inn consists of 25 guest rooms and a small dining area. It is operated at near capacity all year. The inn is now served by an on-site disposal system consisting of septic tanks and a subsurface evapotranspiration system. This system is failing at present, but will be retained after completion of the evaporation pond system to handle a portion of the waste flow.
4. The Freemark Abbey Winery includes a restaurant; candle factory and gift shop; and sandwich, cheese, and wine sales shop. The winery itself currently crushes 450 tons of grapes per year. Domestic and winery wastes are presently discharged into a septic tank and subsurface leach field. The leach field is proposed to remain in service, but be valved to the proposed evaporation pond system.
5. The Markham Winery consists of crushing fermentation and storage facilities. Domestic waste is discharged into an existing septic tank and leachfield. Winery waste is discharged into three existing evaporation ponds on the winery property.
6. It is proposed that the existing Markham Winery ponds be reconstructed into two larger evaporation ponds. The proposed ponds will have a total surface area of 4.23 acres and a total capacity of 8.220 million gallons. After collection from the three facilities, the wastewater will be pumped into the first pond (1.21 acres) and aerated by mechanical aerators. Wastewater from the first pond will discharge into the second pond with a surface area of 3.02 acres. According to soils data, the ponds will not percolate any wastewaters.

7. The dischargers have submitted an easement agreement dated November 30, 1980 between Markham Winery as Grantor, and Freemark Abbey Winery, a limited partnership, and Wine Country Inn, a limited partnership, as Grantees. The dischargers also submitted a joint powers agreement dated December 1, 1980 designating Freemark Abbey Winery responsible for ongoing operation and maintenance of the wastewater collection system and evaporation ponds.
8. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa Valley area.
9. The beneficial uses contained in the Basin Plan for the Napa River downstream from Freemark Abbey Winery, Wine Country Inn, and Markham Winery are:
 - a. Domestic water supply for irrigating family gardens.
 - b. Agricultural water supply for stock watering, irrigation and frost protection.
 - c. Water contact recreation.
 - d. Fish migration and habitat.
 - e. Preservation and enhancement of fish, wildlife and other aquatic resources.
 - f. Esthetic enjoyment.
10. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
 - a. Domestic water supply.
 - b. Agricultural water supply.
11. The County of Napa found and determined on the basis of an Initial Study that the project, as described, will have no substantial adverse effect on the environment, and therefore adopted a Negative Declaration regarding this project, dated June 30, 1980 in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.).
12. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

13. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that Wine Country Inn, Freemark Abbey Winery, and Markham Winery, pursuant to the provisions of Division 7 of the California Water Code, and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. Overflow or seepage from the onsite systems at Wine Country Inn, Freemark Abbey Winery, and Markham Winery resulting in surfaced effluent is prohibited.
2. Overflow from the evaporation ponds is prohibited.
3. All discharge of wastewater on any land other than the onsite systems and evaporation ponds or to any watercourse is prohibited.
4. The volume of waste discharge to the evaporation ponds shall not exceed 15,000 gallons per day (monthly average).

B. Discharge Specifications

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge of waste shall not degrade the quality of any ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.
3. The discharge of waste shall not cause seepage to be present any place outside the evaporation ponds or the onsite systems at the Wine Country Inn, Freemark Abbey Winery, and Markham Winery.
4. The evaporation ponds shall be adequately protected from erosion and flooding having a predicted frequency of once in 100 years.
5. To prevent threat of overflows, a minimum freeboard of 2 feet shall be maintained in each evaporation pond at all times.

C. Provisions

1. The discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.

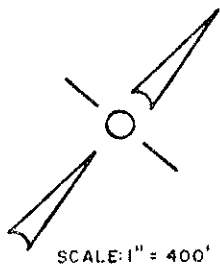
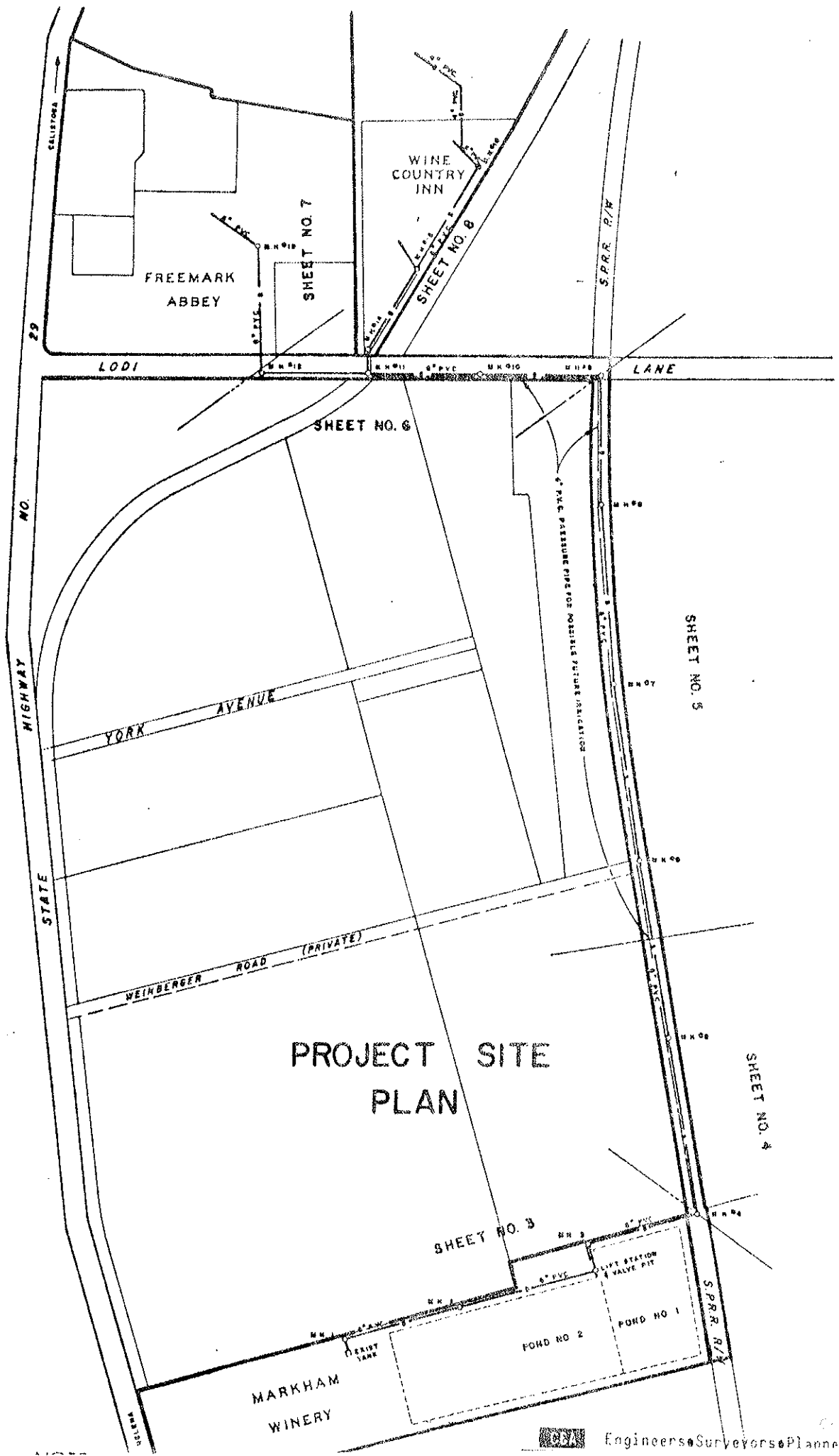
2. When an approved public sanitary sewer is within 400 ft. of the evaporation ponds, the discharger shall submit a technical report to the satisfaction of the Executive Order and time schedule describing how the ponds will be abandoned and connection made to the sanitary sewer.
3. This Order does not allow for spray disposal or other wastewater reclamation.
4. The discharger shall comply with the following items contained in the attached Regional Board's "Standard Provisions, Reporting Requirements, and Definitions," dated April 1977: A.1, A.2, A.3, A.4, A.6, A.7, A.8, A.11, A.12, A.13, A.14, A.15, B.3, and B.4.
5. This Board will review this Order periodically and may revise the requirements when necessary.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on June 17, 1981.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions, Reporting Requirements
and Definitions, April 1977
Map



PROJECT SITE PLAN

MARKHAM WINERY

FORD NO 2

FORD NO 1

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

Wine Country Inn, Freemark Abbey Winery

and Markham Winery

Napa County

ORDER NO. 81-34

CONSISTS OF

PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, AND ANALYSES AND OBSERVATIONS

A. Influent to Pond

Determine average daily flow, in gallons per day.

B. Evaporation Ponds

At any point on the surface of the pond, representative of the wastewater:

1. Monthly, determine dissolved oxygen (D.O.) concentration, mg/l.
2. Monthly, determine pH.
3. Weekly, perform standard observations along perimeter of each pond:
 - a. Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch.)
 - b. Odor: presence or absence, characterization, source and distance of travel.
 - c. Estimated number of waterfowl and other water-associated birds in the disposal area and vicinity.
 - d. Determine freeboard, in feet, for each pond.

C. All Subsurface Disposal Systems

Weekly, perform standard observation for evidence of surfacing liquid from the subsurface disposal systems at Wine Country Inn, Freemark Abbey Winery, and Markham Winery.

III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, if the non-compliance caused by items (a), (b) or (c), above is with respect to any of the effluent limits, the waste discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day for those constituents which have been violated. Such daily analyses shall continue until such time as the effluent limits have been attained, or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Reports.

2. Bypass Reports

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any treatment unit(s) shall be made which will include cause, time and date, duration, and estimated volume of waste bypassed, method used in estimating volume, and persons notified for planned and/or unplanned, bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge. In no case should any discharge of sewage-bearing wastes be permitted without at least primary treatment and chlorination.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past months and actions taken or planned for correcting violations, such as plant operation modifications, and/or plant facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed either by a principal executive officer, ranking elected official, or other duly authorized employee. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in II.A., II.B. and II.C.

c. List of Approved Analyses

1. Listing of analyses for which the discharger is approved by State Department of Health.
2. List of analyses performed for the discharger by another approved laboratory (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

d. Flow Data - Plant Capacity

1. Listing of the dates and the magnitudes of the influent flows which exceed 75% of the design capacity of the treatment and/or disposal facilities.

"I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 81-34.

2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

April 7, 1983

Effective Date

FRED H. DIERKER
Executive Officer